

10/790,238  
P-2464/CIP**CLAIM AMENDMENTS:**

**Claim 1 (currently amended).** An electrical connector comprising:

a connector body having an inlet end and an outlet end,  
said outlet end including a pair of spaced apart shoulders  
and an outer surface disposed between said shoulders,

said shoulders extending radially outwardly of said outlet end,

~~a recess defined between said shoulders about said outlet end,~~

an annular retainer ring supported directly on said shoulders and spaced from said outer surface of said outlet end disposed between said spaced apart shoulders to define a relief space between said annular retainer ring and said outer surface of said outlet end,

a plurality of spring tangs blanked out of said retainer ring,

said tangs being circumferentially spaced about said retainer ring and projecting outwardly of said retainer ring in a cantilever manner,

said tangs being spaced above ~~said recess whereby said recess provides a relief space for said tangs to minimize outer~~  
surface so that upon inserting said outlet end through a knock

10/790,238  
P-2464/CIP

out hole, said tangs are free to deflex into said relief space to  
reduce the force required for insertion of said connector through  
a knock out hole of an electric box to effect a snap fit  
connection.

Claim 2 (canceled).

Claim 3 (canceled).

Claim 4 (canceled).

Claim 5 (currently amended). An electrical connector as  
~~defined in Claim 3~~ comprising:

a connector body having an inlet end and an outlet end,  
said outlet end having opposed arcuate portions and opposed  
flattened portions interconnecting said arcuate portions,  
external threads defining a groove between adjacent threads  
formed on said opposed arcuate portions of said outlet end,  
a snap fit retainer ring circumscribing said outlet end,  
said retainer ring having opposed curvilinear portions  
complementing said arcuate portions and opposed planer portions  
complementing said flattened portions of said outlet end,  
said retainer ring having a plurality of tangs formed out of

10/790,238  
P-2464/CIP

said curvilinear portions of said retainer ring,

said tangs being circumferentially spaced about said  
curvilinear portions of said retainer ring, and said tangs  
projecting radially outwardly of said retainer ring in a  
cantilever manner,

and said retainer ring having a plurality of dimples forming  
a depression circumferentially spaced about the inner  
circumference of said curvilinear portions of said retainer ring  
and projecting inwardly of said retainer ring,

said dimples being arranged to project into said grooves  
defined between said adjacent threads for prohibiting separation  
of the connector body from said retainer ring when secured to an  
electric box, said complementary flattened portions of said  
outlet end and complementary planer portions of said retainer  
ring prohibits any rotation of said retainer ring relative to  
said outlet end,

wherein said plurality of tangs include a series of tangs  
blanked out of the material of said retainer ring whereby each  
tang of said series has a free end which includes a longitudinal  
trailing edge portion of said retainer ring,

and said longitudinal trailing edge portion being arcuately  
shaped so as to engage the edge of a knock out hole of an  
electric box for effecting electrical grounding of said

10/790,238  
P-2464/CIPconnector,

wherein said plurality of tangs includes a second series of tangs circumferentially spaced about said retainer ring,

each of said second series of tangs being disposed about said retainer ring intermediately between the opposed longitudinal edges of said retainer ring,

said tangs of said second series of tangs having a free end and opposed outer wing portions adapted to engage an inner surface of the electric box, and

said free end of each of said second series of tangs having a projecting tit adapted to engage a peripheral portion of the knock out hole of an electrical box.

**Claim 6 (previously canceled).**

**Claim 7 (canceled).**

**Claim 8 (canceled).**

**Claim 9 (previously canceled).**

**Claim 10 (currently amended).** An electrical connector

10/790,238  
P-2464/CIP

assembly in combination with an electric box having at least one knockout hole comprising:

a connector body defining an inlet end and an outlet end,  
said outlet end having opposed arcuate portions and  
flattened portions interconnected between said arcuate portions,  
an outwardly radially extending flange circumscribing said  
connector body, said flange forming a stop to limit the  
positioning movement of said connector body through ~~a~~ the knock  
out ~~opening~~ hole of an electrical box,

external threads defining a groove between adjacent threads  
formed on said arcuate portions of said outlet end,

said flattened portion of said outlet end being free of any  
threads,

a snap fit retainer ring supported on said external threads,  
said snap fit retainer ring having opposed curvilinear  
portions and interconnecting opposed planer portions  
complementing said arcuate and flattened portions of said outlet  
end,

said snap fit retainer ring including a plurality of  
circumferentially spaced tangs formed on said curvilinear  
portions,

said plurality of tangs including a first series of spaced  
apart tangs,

10/790,238  
P-2464/CIP

said tangs of said first series of tangs being blanked out of the material of said retainer ring,

said tangs of said first series of tangs being bent laterally outwardly of said retainer ring whereby the free end of said first series of tangs includes a longitudinal trailing edge portion of said retainer ring,

and said plurality of tangs including a second series of tangs,

said tangs of said second series of tangs being blanked out of said retainer ring disposed wholly between the opposed longitudinal edges of said retainer ring,

said tangs of said second series of tangs being bent laterally outwardly of said retainer ring, and

said tangs of said second series of tangs including opposed outwardly bent wing portions and a projecting tit whereby the free ends of said wing portions are adapted to engage the inner surface of the electrical box and said projecting tit engages the inner periphery of the knock out hole to insure an electric grounding connection therebetween,

said retainer ring having a plurality of dimples forming depressions circumferentially spaced about the inner circumference of said retainer ring,

said dimples projecting inwardly of said retainer ring

10/790,238  
P-2464/CIP

whereby said dimples engage said groove formed between adjacent threads,

wherein said dimples are laterally spaced transversely of the width of said retainer ring, and

a clamping means connected to said inlet end for securing a conductor relative to said connector body.

Claim 11 (previously canceled).

Claim 12 (previously presented). An electrical connector assembly as defined in Claim 10 wherein said snap fit retainer ring is rendered readily removable from said external threads,

whereby said outlet end may be optionally threadedly connected to an outlet box.